

COC#140

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
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(541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: M107009

CLIENT: BRISTOL				INVOICE TO: BRISTOL				TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around;"> <div>10 7 5 4 3 2 1 <1</div> <div>STD.</div> <div>5 4 3 2 1 <1</div> </div> Petroleum Hydrocarbon Analyses <div style="display: flex; justify-content: space-around;"> <div>5 4 3 2 1 <1</div> <div>STD.</div> </div> OTHER Please Specify							
REPORT TO: ANNE KRANAWETTER				P.O. NUMBER: 21090											
ADDRESS: AMCHITKA ISLAND, ALASKA															
PHONE: 907-770-0974 FAX: 770-0975															
PROJECT NAME: AMCHITKA				REQUESTED ANALYSES											
PROJECT NUMBER: 21090															
SAMPLED BY:															
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME		GRO		BTEX/mg/L						MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID
1. 01AMB406SL		7/3/01 1045		✓ ✓								S	1		
2. 01AMB407SL		7/3/01 1045		✓ ✓								S	1	TRIP BLANK	
3. 01AMB405SL		7/3/01 1056		✓ ✓								S	1		
4. 01AMB404SL		7/3/01 1115		✓ ✓								S	1		
5.															
6.															
7.															
8.															
9.															
10.															
11.															
12.															
13.															
14.															
15.															
RELINQUISHED BY: [Signature]				DATE: 7/3/01				RECEIVED BY: [Signature]				DATE: 7/3/01			
PRINT NAME: [Signature]				FIRM: BRISTOL				PRINT NAME: [Signature]				FIRM: NCA			
RELINQUISHED BY:				DATE:				RECEIVED BY:				DATE:			
PRINT NAME:				FIRM:				PRINT NAME:				FIRM:			
ADDITIONAL REMARKS: B4 AGT UNREGULATED												TEMP: _____			



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541.383.9310 fax 541.382.7588

7 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 07/03/01 15:02. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M107009



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/04/01 10:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMB406SL	M107009-01	Soil	07/03/01 10:45	07/03/01 15:02
01AMB407SL	M107009-02	Soil	07/03/01 10:45	07/03/01 15:02
01AMB405SL	M107009-03	Soil	07/03/01 10:50	07/03/01 15:02
01AMB404SL	M107009-04	Soil	07/03/01 11:15	07/03/01 15:02

COC #140

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

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Bristol Environmental & Engineering
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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/04/01 10:42

Gasoline Range Organics (n-Hexane to <n-Decane) per AK101
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB406SL (M107009-01) Soil						Sampled: 07/03/01	Received: 07/03/01		A-01
Gasoline Range Organics	ND	4.42	mg/kg wet	50	AK 101	07/03/01	07/03/01	0107013	
<i>Surr: 4-BFB (FID)</i>	66.4 %	50-150							
01AMB407SL (M107009-02) Soil						Sampled: 07/03/01	Received: 07/03/01		A-01
Gasoline Range Organics	ND	20.1	mg/kg wet	50	AK 101	07/03/01	07/03/01	0107013	
<i>Surr: 4-BFB (FID)</i>	83.3 %	50-150							
01AMB405SL (M107009-03) Soil						Sampled: 07/03/01	Received: 07/03/01		A-01
Gasoline Range Organics	ND	5.06	mg/kg wet	50	AK 101	07/03/01	07/03/01	0107013	
<i>Surr: 4-BFB (FID)</i>	71.8 %	50-150							
01AMB404SL (M107009-04) Soil						Sampled: 07/03/01	Received: 07/03/01		A-01
Gasoline Range Organics	ND	4.75	mg/kg wet	50	AK 101	07/03/01	07/03/01	0107013	
<i>Surr: 4-BFB (FID)</i>	67.0 %	50-150							

North Creek Analytical - Mobile Lab

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/04/01 10:42

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB406SL (M107009-01) Soil					Sampled: 07/03/01 Received: 07/03/01				A-01
Benzene	ND	0.0277	mg/kg wet	50	1B BTEX/MTI	07/03/01	07/03/01	0107013	
Toluene	ND	0.111	"	"	"	"	"	"	
Ethylbenzene	ND	0.111	"	"	"	"	"	"	
Xylenes (total)	ND	0.221	"	"	"	"	"	"	
Naphthalene	ND	1.11	"	"	"	"	"	"	
Surr: 4-BFB	70.4 %	50-150							
01AMB407SL (M107009-02) Soil					Sampled: 07/03/01 Received: 07/03/01				A-01
Benzene	ND	0.126	mg/kg wet	50	1B BTEX/MTI	07/03/01	07/03/01	0107013	
Toluene	ND	0.503	"	"	"	"	"	"	
Ethylbenzene	ND	0.503	"	"	"	"	"	"	
Xylenes (total)	ND	1.01	"	"	"	"	"	"	
Naphthalene	ND	5.03	"	"	"	"	"	"	
Surr: 4-BFB	89.7 %	50-150							
01AMB405SL (M107009-03) Soil					Sampled: 07/03/01 Received: 07/03/01				A-01
Benzene	ND	0.0316	mg/kg wet	50	1B BTEX/MTI	07/03/01	07/03/01	0107013	
Toluene	ND	0.126	"	"	"	"	"	"	
Ethylbenzene	ND	0.126	"	"	"	"	"	"	
Xylenes (total)	ND	0.253	"	"	"	"	"	"	
Naphthalene	ND	1.26	"	"	"	"	"	"	
Surr: 4-BFB	77.8 %	50-150							
01AMB404SL (M107009-04) Soil					Sampled: 07/03/01 Received: 07/03/01				A-01
Benzene	ND	0.0297	mg/kg wet	50	1B BTEX/MTI	07/03/01	07/03/01	0107013	
Toluene	ND	0.119	"	"	"	"	"	"	
Ethylbenzene	ND	0.119	"	"	"	"	"	"	
Xylenes (total)	ND	0.238	"	"	"	"	"	"	
Naphthalene	ND	1.19	"	"	"	"	"	"	
Surr: 4-BFB	73.1 %	50-150							

North Creek Analytical - Mobile Lab

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/04/01 10:42

Gasoline Range Organics (n-Hexane to <n-Decane) per AK101 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0107013 - MeOH Extraction

Blank (0107013-BLK1)

Prepared & Analyzed: 07/03/01

Gasoline Range Organics ND 4.00 mg/kg wet

Surr: 4-BFB (FID) 2.20 " 2.50 88.0 50-150

LCS (0107013-BS2)

Prepared & Analyzed: 07/03/01

Gasoline Range Organics 29.4 4.00 mg/kg wet 25.0 118 50-150

Surr: 4-BFB (FID) 8.92 " 10.0 89.2 50-150

North Creek Analytical - Mobile Lab

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Bristol Environmental & Engineering
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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/04/01 10:42

BTEX, MTBE and Naphthalene per EPA Method 8021B - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0107013 - MeOH Extraction

Blank (0107013-BLK1)

Prepared & Analyzed: 07/03/01

Benzene	ND	0.0250	mg/kg wet
Toluene	ND	0.100	"
Ethylbenzene	ND	0.100	"
Xylenes (total)	ND	0.200	"
Naphthalene	ND	1.00	"

Surr: 4-BFB 2.31 " 2.50 92.4 50-150

LCS (0107013-BS1)

Prepared & Analyzed: 07/03/01

Benzene	1.99	0.0250	mg/kg wet	2.50	79.6	69-138
Toluene	2.16	0.100	"	2.50	86.4	53-151
Ethylbenzene	2.45	0.100	"	2.50	98.0	61-141
Xylenes (total)	7.09	0.200	"	7.50	94.5	62-141
Naphthalene	2.56	1.00	"	2.50	102	65-135

Surr: 4-BFB 2.52 " 2.50 101 50-150

North Creek Analytical - Mobile Lab

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/04/01 10:42

Notes and Definitions

A-01 Reported as wet weight, only recieved MeOH preserved bottle.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

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Environmental Laboratory Network

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			Report recreated from: \\sisters\elmnt\Report\M107009 FINAL 07 04 01 1042.mdb
0107013-BLK1	AK101 (GRO)	Gasoline Range Organics	Additional analyte reported
0107013-BS2	AK101 (GRO)	Gasoline Range Organics	Additional analyte reported
M107009-01			No solids data
M107009-01	8021B BTEX/MTBE/N		A-01
M107009-01	AK101 (GRO)	Gasoline Range Organics	Additional analyte reported
M107009-01	AK101 (GRO)		A-01
M107009-02			No solids data
M107009-02	8021B BTEX/MTBE/N		A-01
M107009-02	AK101 (GRO)	Gasoline Range Organics	Additional analyte reported
M107009-02	AK101 (GRO)		A-01
M107009-03			No solids data
M107009-03	8021B BTEX/MTBE/N		A-01
M107009-03	AK101 (GRO)		A-01
M107009-03	AK101 (GRO)	Gasoline Range Organics	Additional analyte reported
M107009-04			No solids data
M107009-04	8021B BTEX/MTBE/N		A-01
M107009-04	AK101 (GRO)		A-01
M107009-04	AK101 (GRO)	Gasoline Range Organics	Additional analyte reported